



# yellobrik®

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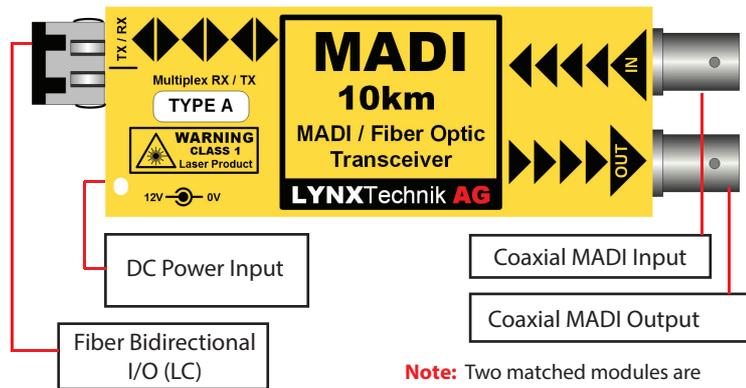
## Quick Reference

### Technical Specifications

<b>Coax Input</b>	1 x 75 Ohm BNC connector
	Supported standards: AES10-2008
	Cable length 250m ( Belden 1694A )
<b>Coax Output</b>	1 x 75 Ohm BNC connector
	Amplitude: 750mV P/P
	Cable length 250m ( Belden 1694A )
<b>Fiber Optic</b>	1 x LC Bidirectional Fiber Connection (Singlemode) 1310nm and 1550nm (WDM) 18 dBm Optical Budget
	Max. Distance approx. 10km (6.2 miles - Singlemode)
<b>Power</b>	+12VDC @ 2.6W nominal each module - ( supports 7 - 16VDC input range ) LED power present indicator

### OBD 1210

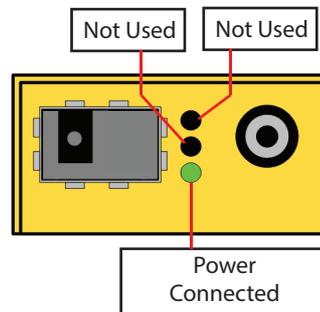
### MADI / Fiber Bidirectional Transceiver



**Note:** Two matched modules are supplied. "A" version is shown. "B" version connections are identical.

We are constantly adding additional yellobrik modules. Please visit our website for the latest product updates.

[www.lynx-technik.com](http://www.lynx-technik.com)



## WARNING



**LASER RADIATION**  
Do not view directly with optical instruments

**CLASS 1M LASER PRODUCT**

## Connections

The MADI coaxial inputs and outputs are connected to the corresponding 75 Ohm BNC connections provided. The fiber connections are on the SFP sub module as indicated on the module.

The module uses a single bidirectional fiber link which is a LC simplex connection. Please ensure the fiber cable used is Singlemode (Multimode cable will not work)

The module fiber connection is supplied with a rubber plug installed, this is to prevent dust contamination. Please retain the plug and use it if the cables are ever disconnected from the module. An example of a LC connector is shown below:



## Operation

The OBD 1210 kit is supplied as a matched pair (one "Type A" and one "Type B" module) and are used to convert coaxial MADI signals (up to 64 channels IN and OUT) into a single bidirectional fiber link for use in long distance applications. The electrical / optical conversion introduces no delay (zero latency) and there is no signal degradation. Operation is fully automatic (plug and play) there are no user adjustments for the module. The module supports hot swapping and hot plugging of all connections.

## NOTE

*The modules use a single bidirectional fiber link. This is WDM using 1310nm and 1550nm wavelengths. The modules should only be used in point to point applications, and **should not** be used in a multiplexed CWDM system (Even if the 1310 and 1550 CWDM ports are available)*

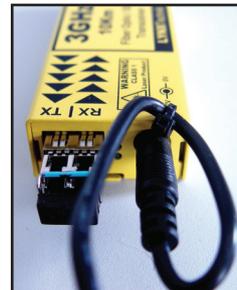
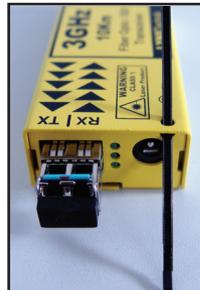
## Power

The module requires a 7-16VDC power input (12VDC nominal) an LED is provided to confirm power is connected. A 12VDC power supply is provided, but if applying your own power, please provide a clean 7-16VDC power source. Each module's power consumption is approx 2.6W

**Do not exceed 16VDC power input as module damage will result**

## Power Lead Strain Relief

The modules have a small hole in the case located above the power connection to prevent the power lead being accidentally pulled out. Use the supplied tie-wrap and secure the lead as shown below.



## Optional Mounting Bracket

The optional RFR 1001 mounting brackets can be used to permanently mount the modules on any flat surface or on 19" rack rails.



Note. OTT 1812 module shown, the OBD 1210 is identical in terms of mounting